

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number
WO 2004/005028 A3

(51) International Patent Classification⁷: **B41F 13/00**

(21) International Application Number:
PCT/US2003/021558

(22) International Filing Date: 9 July 2003 (09.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/394,568 9 July 2002 (09.07.2002) US
60/396,862 18 July 2002 (18.07.2002) US

(71) Applicant (for all designated States except US): **FUTURELOGIC, INC.** [US/US]; 425 E. Colorado Street, Suite 670, Glendale, CA 91205 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MKRTCHYAN, Samson** [US/US]; 425 E. Colorado Street, Suite 670,

Glendale, CA 91205 (US). **DYMOVSKY, Oleg** [US/US]; 425 E. Colorado Street, Suite 670, Glendale, CA 91205 (US). **MEYERHOFER, Mark** [US/US]; 425 E. Colorado Street, Suite 670, Glendale, CA 91205 (US). **MEYERHOFER, Eric** [US/US]; 425 E. Colorado Street, Suite 670, Glendale, CA 91205 (US).

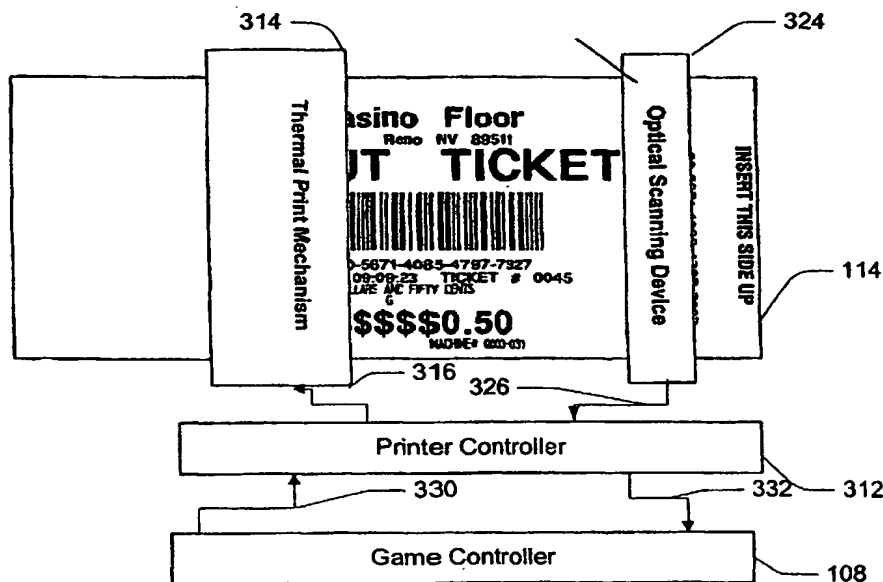
(74) Agent: **CIRE, Frank, L.**; Christie, Parker & Hale, LLP, P.O. Box 7068, Pasadena, CA 91109-7068 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: **GAMING MACHINE PRINTER**



(57) Abstract: A gaming machine printer (900). The gaming machine printer (900) creates printed vouchers, tickets, receipts, etc. for use in gaming applications employing cashless enabled gaming systems. The gaming machine printer (900) includes control logic for self calibration of a printer head and other diagnostics. The gaming machine printer (900) may be coupled to a cashless enabled game or other host using a variety of communications ports. The gaming machine printer (900) may hold a voucher internally, verify or validate the voucher, and then may void invalid or poorly printed vouchers. The gaming machine printer (900) further includes a mobile module having a hinged sub-module and coiled communications cord for ease in servicing.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
11 March 2004

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21558

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A63F 13/00 US CL : 463/47 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 463/47, 16-21 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) East, JPO, Derwent		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,321,241 A (CRAINE) 14 June 1994 (14.06.1994), see entire document	1-10
Y, P	US 6,503,147 B1 (STOCKDALE et al) 07 January 2003 (07.01.2003), see entire document	1-10
Y	US 2001/0036866 A1 (STOCKDALE et al) 01 November 2001 (01.11.2001), see entire document	1-10
X, P	US 2003/0069074 A1 (JACKSON) 10 April 2003 (10.04.2003), see entire document	1-8
Y, P		9-10
Y, P	US 2002/0093136 A1 (MOODY) 18 July 2002 (18.07.2002), see entire document	1-10
X, P	US 2003/0114217 A1 (WALKER et al) 19 June 2003 (19.06.2003), see entire document	1-8
Y, P		9-10
Y, E	US 2003/0162589 A1 (NGUYEN et al) 28 August 2003 (28.08.2003), see entire document	1-10
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	
"P" document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search	Date of mailing of the international search report	
10 November 2003 (10.11.2003)	12 JAN 2004	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	Authorized officer Teresa Walberg Telephone No. (703) 308-7777 <i>Sheila H. Venev</i> Patent Specialist Tech. Center 3700	

PCT/US03/21558

INTERNATIONAL SEARCH REPORT

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, P	US 2003/0064805 A1 (WELLS) 03 April 2003 (03.04.2003), see entire document	1-10